FIRE CURTAIN TECHNOLOGIES
Smoke and Fire Curtains

FIRE PROTECTIVE SMOKE CURTAIN

Automatic fire protective curtain with integrated smoke seals that prevents fire and smoke from transferring from one part of a building to another. In the event of a fire, the Fire Protective Smoke Curtain forms a temporary barrier which assists people escaping from a burning building. It operates automatically when interfaced with the building fire alarm system.

APPLICATIONS:
Fire protective smoke curtain are used in all industrial and commercial buildings, e.g. shopping centres, of ce buildings, lift landing lobby, atria, etc.

The Fire Protective Curtain is certified and labeled to UL 10D

Fire resistance
60 / 180 minutes

PRODUCT DESCRIPTION

The fire protective smoke curtain consists of a roller covered with a fiberglass fabric which is incorporated into a galvanized steel housing.

The roller unit incorporates a motor, planetary gearbox and internal microprocessor.
The microprocessor monitors the rest position and independently regulates the closing speed to a maximum of 0,15m/s (6 in / sec).

The housing is equipped with specially developed reinforced brackets, which maintains integrity at high temperatures.
The bottom of the housing is closed off with a panel which allows the entire length of the system to be accessed. The system is equipped with side guides.

The design ensures that the required compartmentalization is achieved. There are no visible fasteners either on the underside of the housing or on the front of the side guides. At the bottom of the curtain a bottom bar is attached which serves to ensure that the curtain operates as designed and also that it remains stable when unrolled.
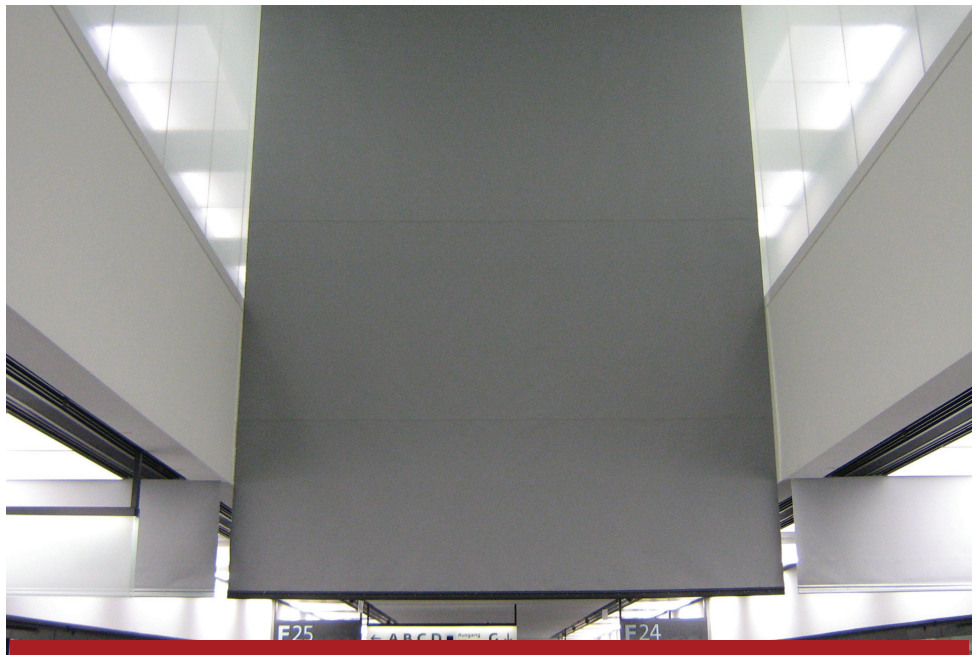
The bottom bar makes contact with the floor when the curtain is deployed creating a smoke- tight seal with the floor. There are different bottom bars available for different applications.

The curtain **headbox and side guides** can be polyester powder coated in all RAL colors. The fabric is silver grey.
The unit can be configured with mounting brackets either for wall or ceiling mounting.
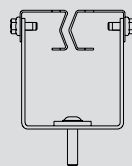

CONTROLS

SKC-SC CONTROL PANEL

The SKC-SC control panel is designed for the safe operation of a Fire Protective Curtain and has been designed in accordance with EN 12101-9 and BS 8524.

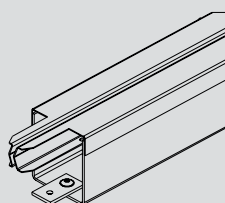The SKC-SC control panel supports support the following functions:

- Deploying the curtain when there is an alarm
- Moving the curtain to time-dependent intermediate positions (HWD-1 + HWD-2)
- Rolling the curtain up again in an emergency situation (emergency egress)
- Rolling the curtain up again via a fireman's switch (emergency access)
- Unrolling the curtain using a smoke detector or heat detector
- Unrolling the curtain using manual controls
- Connecting a strobe light and acoustic warning system
- Interrupting the closing process by a contact strip or monitoring of the opening by a beam detection
- In the event of obstacle detection, giving a warning by means of an emergency announcement
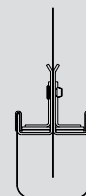- Status messages to the building management system.

BENEFITS:

The Fire Protective Smoke Curtain meets the requirements according to UL 10D and is available in two different versions:

1. A polyurethane fabric with a stabilizing coating which has a rating for 60 minutes.

2. A polyurethane fabric with a stabilizing coating and stainless-steel inlay which has a rating for 180 minutes.

SIDE GUIDES	BOTTOM BAR
TYPE: FD	TYPE: ID
	TYPE: FD
	TYPE: SI

KEY FEATURES

Furnace testing in accordance with

UL 10D
UL 1784

Smoke tightness tests

Fire resistance + compartmentation:

60 / 180 minutes

Materials class: **A2-s1, d0**

Quality of cloth

1800°F Glass fabric

2200°F Glass fabric with coating
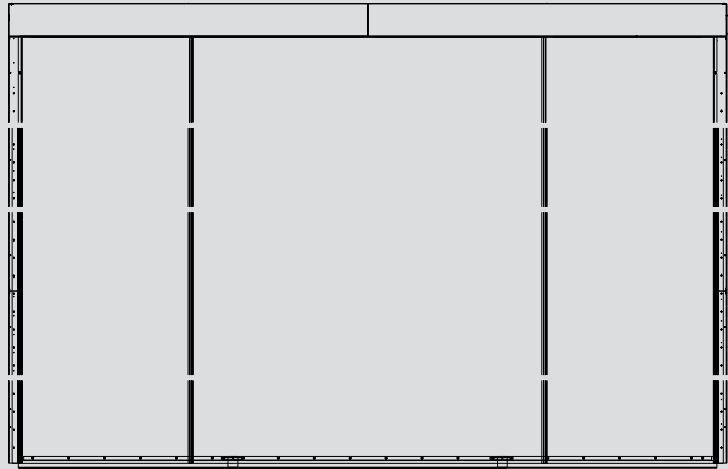and stainless-steel inlay

Virtually invisible

FS, FR and FD PIN SIDE GUIDES
with integrated seals

Manufactured in accordance with

ISO 9001:2008

DIMENSIONS

Housing type	Classification	Maximum Dimensions (ft)	
		Width	Height
SI-N Single unit	60 minutes	13.5	19.5
SI-L Single unit	180 minutes	13.5	19.5